

**Amendments to the Abstract**

Please replace the abstract with the following amended abstract.

A spatial knowledge base approach for the automatic extraction of metadata **116** from

5 electronic documents **100**. The electronic document **100** is converted to a substantially  
format invariant data file **104** by an intermediate language conversion element **102**.

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Spatial layout facts **108** are extracted and combined with spatial layout rules **114** from a  
knowledge engineer **112** in a spatial metadata-reasoning element **110** to provide the  
metadata **116**. The invention is based on mimicking the visual and spatial knowledge

10 that humans make use of when reading a document.